



Curing Agents

epoxa us™ 40-01

Description

epoxa us™ Curing Agent 40-01 is a medium - high viscosity black color epoxy hardener formulated for traffic button adhesive applications with a different mixing ratio compared to epoxa us pavement marker 650-01A / 650-01B adhesive system. Both systems are approved by the DOT.

Applications

- * Streets and Highway lane markers
- * Subdivision safety pavement markers
- * Parking lot safety
- * Driveway reflective signaling
- * Commercial or Household applications

Key Features and Benefits

- Great impact resistance, medium - high viscosity
- Manual mixing, less wasted material
- Excellent volume stability
- Good chemical resistance
- Positive performance under hot and cold weather and rainy conditions

Sales Specification

Property	Units	Value	Test Method/Standard
Amine value	mg/g	1430	ASTM D2896
Viscosity at 25°C	cP	10000-15000	ASTM D2196
Color	Visual	Black	ASTM D1544

Typical Properties

Property	Units	Value	Test Method/Standard
Equivalent weight, approx.		25	
Density @ 25 °C	lbs/gal	8.1	ASTM D1475

40-01

Flash point	° C	>276	ASTM D3278
Appearance		Black Paste	
Mix ratio with			
EEW 188-192 epoxy	phr	50	

Performance Properties

Properties of epoxa us 40-01 curing agent

Components	Method	Units	Value
epoxa us 40-01		pbw	50
epoxa us 650A		pbw	100

Handling Properties

25°C

Viscosity, Mixed		cP	10000-20000
Peak Exotherm		°C	136
Pot life, 250 g, 25 °C		min	30

Cured Properties

Heat Deflection Temperature	ASTM D648	°C	55
Tensile Strength	ASTM D638	psi	7,822
Tensile Elongation		%	14

Starting Formulation Molding

Components	Units	Value
1600-01 resin	pbw	36
HELOXY Modifier 61	pbw	2.25
Duramite	pbw	45.25
Albafil	pbw	10
Titanium Dioxide	pbw	2
Nonyl Phenol	pbw	4.50

Physical Properties

Percent of solids epoxa 40-01		100
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Storage, Handling and Safety

Please read and understand the latest MSDS before using epoxa us 40-01

Please refer to epoxa us website for more information on shelf life.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on epoxa us incorporated products should be directed to your epoxa us sales representative. Information and MSDSs on non epoxa us products should be obtained from the respective manufacturer.

Packaging

Available in gallon and drum quantities.

Contact Information

For product prices, availability, or order placement, MSDS and technical help please contact us.

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